



**ALS AIRBORNE DUST AND WATER  
ANALYSIS AND TESTING REPORT**

**REPORT TO:** Walker Quarry

**REPORT ON:** Walker Quarry  
Dust and Water Results

**REPORT NO:** 24005312

**PERIOD OF EXPOSURE:** Dust - Typically 30 days +/- 2 days  
Water - In conjunction with dust or on request

**SAMPLED BY:** ALS Staff

**REPORTED BY:** Natalie McMillan

**REPORT DATE:** 28-July-2015



Accreditation # 15784  
Site # 11436

This document is issued in accordance with NATA's accreditation requirements.

Accredited for compliance with ISO/IEC 17025.

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*A Campbell Brothers Limited Company*

# ALS AIRBORNE DUST ANALYSIS AND TESTING REPORT

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## WALKER QUARRY

Month Jul-15  
Date Replaced 25/06/2015  
Date Collected 23/07/2015

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### DUST DEPOSITION RESULTS

(g/m<sup>2</sup>/month)

<u>GAUGE NO.</u>	<u>INSOLUBLE SOLIDS</u>	<u>*COMBUSTIBLE MATTER</u>	<u>**ASH</u>
62	2.9	2.2	0.7
64	1.5	1.2	0.3

No. of days exposed: 28

\* Result Calculated

\*\* Incombustible Matter

Analysed in accordance with AS3580.10.1

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## WALKER QUARRY

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### DUST GAUGE OBSERVATION

GAUGE	ANALYSIS OBSERVATIONS
62	Water clear, bugs, organic matter, plant matter, fine brown/grey dust & coarse brown/black dust
64	Water clear, bugs, organic matter, plant matter, bird droppings, fine brown/grey dust & coarse brown /black dust

# ALS WATER ANALYSIS AND TESTING REPORT

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## WALKER QUARRY

	Units		
ALS Sydney Report No.			
Date of Sample		23/07/2015	
Site Reference		Dam 1	Dam 2
Sampled by		N. McMillan & J. Featherstone	
General Comments/ Observations		No Discharge	No Discharge
Time	24 Hr	9:05	9:05
Temperature	°C		
pH	pH Units		
Electrical Conductivity	µS/cm		
Total Suspended Solids	mg/L		
Sulphur Sulphate (SO <sub>4</sub> )	mg/L		
Oil & Grease	mg/L		

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# ALS AIRBORNE DUST AND WATER ANALYSIS AND TESTING REPORT

## METHODS OF ANALYSIS

Tests for results issued in this report have been carried out at the following NATA accredited laboratories in accordance with the methods as detailed below:-

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### DUST

TEST	METHOD	LITHGOW LABORATORY
Dust (Deposited matter gravimetric method)	3580.10.1	X
Electrical Conductivity		m/cm

In accordance with "Methods for sampling and analysis of ambient air.  
Method 10.1: Determination of particulate matter- Deposited matter-Gravimetric method"

### WATER

TEST	METHOD	LABORATORY	
		LITHGOW	SYDNEY
Sulfate (mg/l)	ED014G		X
Electrical Conductivity uS/cm	CBM-E006	X	
pH value	CBM-E005	X	
Total Oil & Grease	EP020		X
Total Suspended Solids (mg/l)	CBM-E008	X	

In accordance with "Standard Methods for the Examination of Water & Wastewater" APHA, AWWA, and Water & Wastewater Examination Manual (V. Dean Adams)

Preservation procedures in accordance with AS/NZS 5667/1 when sampled by ACIRL staff unless otherwise stated.